

JP 62-31951

-1- (JAPIO)

ACCESSION NUMBER
TITLE
PATENT APPLICANT
INVENTORS
PATENT NUMBER
APPLICATION DETAILS
SOURCE
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INT'L PATENT CLASS
JAPIO CLASS
ABSTRACT

87-031951
ALKALINE BATTERY
(2000353) TOSHIBA BATTERY CO LTD
TERAOKA, HIROHITO; YOSHIDA, KAZUMASA
87.02.10 J62031951, JP 62-31951
85.08.02 85JP-170750, 60-170750
87.07.09 SECT. E, SECTION NO. 522;

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H01M-004/42

42.9 (ELECTRONICS--Other)

PURPOSE: To increase high rate discharge performance without a decrease in filling accuracy by mixing flat-shaped zinc powder with spherical zinc particles containing a specified amount of particles whose ratio of the minor axis to the major axis is in a specified range, and using the mixture as a negative active material.

CONSTITUTION: Flat-shaped zinc powder is mixed with spherical zinc particles containing 90% or more of zinc particles whose ratio of the minor axis to the major axis is 1.0-1.5, and the mixture is used as a negative active material. To increase filling accuracy, particle size of zinc particles whose content is 90% or more is limited to 48-40 mesh. The flat-shaped zinc powder whose particle surface is flat or zinc foil is used so that smooth surface contact with spherical zinc particles is maintained.